



## SAFETY DATA SHEET

---

### 1 - PRODUCT AND COMPANY IDENTIFICATION

---

**Product Name** TARN-X® SILVER POLISH

**Product Use** Slightly Acidic Viscous Liquid Silver Polish for Removal of Accumulated Tarnish on Sterling Silver, Silver Plate, Platinum, Copper, Gold and Jewelry

**Restrictions on Use** Incompatible with strong oxidizing agents, acids, bases, and bleach. Do not use on marble, pearls, opals, and other porous stones.  
Retail Package: (12 fl. oz.)

**Manufacturer:** Jelmar, LLC  
**Address:** 5550 W. Touhy Ave.  
Skokie, IL 60077 USA  
1(847) 675-8400

**Emergency Phone Number:** 1(800) 323-5497 (USA) 8:30 A.M. – 4:30 P.M. CST Monday – Friday  
**Emergency 24 hour Contact:** Chemtrec 1(800) 424-9300

---

### 2 – HAZARDS IDENTIFICATION

---

COMPLIES WITH 29CFR 1900.1200 DATED MAY 2012



**WARNING**

ACUTE EYE IRRITATION (Category 2)  
ACUTE DERMAL IRRITATION (Category 2)

#### HAZARD NOT OTHERWISE CLASSIFIED (HNOC)

Not applicable

#### OTHER INFORMATION

No information available

DO NOT get in eyes, on skin or clothing.

DO NOT mix with bleach or other household chemicals harmful; fumes may result.

DO NOT ingest.

DO NOT breathe vapor or mist. Use in well ventilated areas. Keep container closed when not in use.

**KEEP OUT OF REACH OF CHILDREN**

#### Hazard statement(s)

Causes eye irritation  
May cause mild skin irritation.



## SAFETY DATA SHEET

### Precautionary statement (s)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

Wash skin thorough after handling.

If skin irritation or rash occurs: Get medical advice/attention.

Do not eat, drink or smoke when handling this product.

Wear protective gloves.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

Avoid breathing fumes.

---

### SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>OSHA HAZARD</u>	<u>% by Weight</u>
1. Disodium Capryloamphodipropionate	68814-55-4	YES	1-2
2 .Methanol	67-56-1	YES	<0.25

The exact percentages (concentration) of mixture has been withheld as a trade secret in accordance to paragraph (i) of §1910.1200.

---

### SECTION 4 – FIRST AID MEASURES

**EYE CONTACT:** In case of eye contact, immediately rinse eye thoroughly with plenty of water. Remove contact lenses, and continue rinsing for at least 15 minutes. If irritation persists, get medical attention.

**SKIN CONTACT:** Can be irritating to skin, prolonged contact can be more severe, no adverse effects during normal usage. In case of skin contact, rinse area for at least 15 minutes. Remove contaminated clothing and shoes, wash thoroughly before reuse. If irritation persists get medical attention.

**INHALATION:** Not a significant route of exposure. Remove to fresh air. If breathing is difficult, GET MEDICAL ATTENTION IMMEDIATELY.

**INGESTION:** DO NOT induce vomiting. If fully conscious, drink 16 ounces of water. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER give an unconscious person anything to ingest.

---

### SECTION 5 – FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Not flammable. Use appropriate media for area. Use water spray, dry chemical, alcohol-resistant foam or carbon dioxide.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Monoxide. Thermal decomposition can lead to irritating gases and vapors.

**FIRE FIGHTING METHODS:** Evacuate area of personnel. Wear protective NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers. Run-off of large quantities of product from fire control may cause pollution. Contact appropriate agencies.

**FIRE AND EXPLOSION HAZARDS:** None known.

---

### SECTION 6 – ACCIDENTAL RELEASES MEASURES

**Steps to be taken in Case Material is Released or Spilled:** Avoid contact with skin and eyes

**Small Spill:** No special clean-up procedure is necessary for small (less than 1 gallon) spills. Flush spill area with water. Wear rubber gloves.

**Large Spill:** Use personal protection recommended in Section 8. Isolate area, and deny entry to unnecessary and unprotected personnel. Dam spill, and absorb with earth, sand or similar material. Place



## SAFETY DATA SHEET

in non-leaking containers. Dispose of collected material according to local, state, and federal regulations. Flush residue with large amount of water. Avoid direct discharge to sewers and surface waters.

### SECTION 7- HANDLING AND STORAGE

**HANDLING and STORAGE:** Avoid contact with eyes, skin or clothing. May be harmful or if swallowed. Use with adequate ventilation. Avoid breathing vapors or mist. Do not eat, drink, or smoke in work area. Wash hand thoroughly after use. Consumer size containers (28, 42 fluid ounces and gallon containers) should be rinsed and recycled. Store in cool well-ventilated area, away from heat. Keep containers tightly closed. Avoid contact with combustible materials, wood, and organic materials. Store in original containers in a secure area away from children and pets.

**DO NOT MIX WITH BLEACH, OR ANY OTHER PRODUCTS AS TOXIC FUMES MAY RESULT. KEEP OUT OF REACH OF CHILDREN.**

### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES:

<u>COMPONENT</u>	<u>CAS No.</u>	<u>OSHA</u> <u>OSHA PEL</u>	<u>ACGIH</u> <u>ACCIH TLV</u>
Kaolin (Calcined)	92704-41-1	15mg/ cu.m. Total 5mg/ cu.m. Resp.	2mg/ cu.m. Respirable
Methanol (Skin)	67-56-1	200ppm (s) 200ppm	250ppm (s) 250ppm

**VENTILATION REQUIREMENT:** Avoid prolonged breathing mists or dusts of this product. Use with adequate ventilation. Do not use in closed or confined spaces.

**RESPIRATORY PROTECTION:** None required during normal household use. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of product.

**EYE PROTECTION:** Not required during normal household usage. Do not wear contact lenses. Emergency responders should wear full eye and face protection.

**SKIN PROTECTION:** Rubber gloves with protective cuff. Emergency responders should wear impermeable gloves.

**OTHER PROTECTION:** Emergency responders should wear chemical type (impermeable) protective clothing and footwear where direct contact with chemicals in this product is possible.

**WORK/HYGIENIC PRACTICES:** Wash thoroughly with soap and water after use or handling.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Medium viscosity, blue opaque liquid	<b>Flammability:</b>	Not Flammable
<b>Odor:</b> Floral	<b>Upper/Lower Flammability</b>	N.A.
<b>Odor Threshold:</b> N.D.	<b>Vapor Pressure:</b>	N.D.
<b>pH: @20°C</b> 5.50-6.00	<b>Vapor Density (mm Hg):</b>	N.D.
<b>Melting Point:</b> N.D.	<b>Relative Density @20°C:</b>	1.10 – 1.13
<b>Freezing Point:</b> N.D.	<b>Solubility in water:</b>	100%
<b>Boiling Point:</b> 99°C / 210°F	<b>Partition Coefficient;</b>	N.D.
<b>Boiling Point Range:</b> N.A.	<b>n-octanol/water</b>	
<b>Flash Point:</b> None	<b>Auto Ignition Temperature:</b>	N.A.
<b>Evaporation Rate:</b> N.D.	<b>Decomposition Temperature:</b>	N.A.
	<b>Viscosity:</b>	800-1,200 cps.

### SECTION 10 – STABILITY AND REACTIVITY

**REACTIVITY:** N.A.

**CHEMICAL STABILITY:** Stable under normal storage conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** N. D.

**CONDITIONS TO AVOID:** Avoid elevated temperatures.



## SAFETY DATA SHEET

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents, acids, bases, and bleach.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition can lead to release of irritating gases, vapors and carbon oxides. In the event of fire: see Section 5.

---

### SECTION 11 – TOXICOLOGICAL INFORMATION

---

**Routes of Exposure** Eyes, Skin, Inhalation, Ingestion.

**Eyes** Irritant: avoid eye contact. Effects may vary depending on length of exposure, solution concentration

**Skin** Irritant. Prolonged contact may cause dermatitis, and itching.

**Inhalation** No adverse effects expected under typical use conditions.

**Ingestion** Oral burns, vomiting, and gastrointestinal disturbance.

**LD<sub>50</sub> ACUTE EYE IRRITATION:** GHS Category 2

**LD<sub>50</sub> ACUTE DERMAL IRRITATION:** GHS Category 2

**LD<sub>50</sub> ACUTE ORAL TOXICITY:** N. D.

**LD<sub>50</sub> ACUTE DERMAL TOXICITY:** N.D.

**LD<sub>50</sub> ACUTE INHALATION TOXICITY:** N.D.

This product does not contain any substances that are considered carcinogenic by the National Toxicology Program (NTP) Report on Carcinogens and have not been found to be potential carcinogens in the International Agency for Research on Cancer (IARC) Monographs or found to be potential carcinogens by OSHA.

**Reproductive Toxicity:** N.A.

**Specific Target Organ Toxicity – Single Exposure** N.A.

**Specific Organ Toxicity – Repeated Dose:** N. A.

International Agency for Research on Cancer (IARC) Monographs or found to be potential carcinogens by OSHA.

**REACTIVITY:** N.A.

**CHEMICAL STABILITY:** Stable under normal storage conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** N. D.

**CONDITIONS TO AVOID:** Avoid elevated temperatures.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents, metals (except stainless steel and chrome), bleach, acids, and bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition can lead to release of irritating gases, vapors and carbon oxides. In the event of fire: see Section 5.

---

### SECTION 12- ECOLOGICAL INFORMATION

---

**KAOLIN (CALCINED):**

**Ecotoxicity Assessment:** This product is not expected to be hazardous to the environment.

**DISODIUM CAPRYLOAMPHODIPROPIONATE:**



## SAFETY DATA SHEET

**Ecotoxicity Assessment:** The product does not have any known adverse effects on the aquatic organisms tested.

**Acute Toxicity to daphnia and other aquatic vertebrates:**  
EC50 -48 h: >100 mg/l – Daphnia magna (water fleas)

**Biodegradability:** Biodegradable.

**Bioaccumulative Potential:** No data available

**Mobility in soil:** No data available.

**PBT and vPvB assessment:** No data available.

**Environment Assessment:** Not classified as Dangerous to the Environment.

---

### SECTION 13 – DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD: Rinse empty containers and recycle.** Dispose of unused product in a permitted hazardous waste management facility following all local, state, and federal regulations. Follow label warnings, since containers may retain some residue of the product. Processing, use or contamination of this product may change the waste management options. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. State and local disposal regulations may differ from federal disposal regulations.

---

### SECTION 14 - TRANSPORTATION INFORMATION

**UN Number:** N.A.

**UN Proper Shipping Name:** N.A.

**DOT (Department of Transportation Proper Shipping Name):** Not regulated by DOT.

**Packaging Group:** N.A.

**TDG Classification:** Not Regulated

**IMDG Classification:** Not Regulated

**IATA Classification:** Passenger – Not Regulated

**WHIMS (Canada):** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by CPR.

---

### SECTION 15 – REGULATORY INFORMATION

#### **FEDERAL REGULATIONS:**

**TSCA INVENTORY STATUS:** All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

#### **SARA TITLE III SECTION 311/312 CATEGORY:**

IMMEDIATE (ACUTE) HEALTH HAZARD:	YES
DELAYED (CHRONIC) HEALTH HAZARD:	NO
FIRE HAZARD:	NO
SUDDEN RELEASE OF PRESSURE:	NO
REACTIVE HAZARD:	NO



## SAFETY DATA SHEET

**SARA SECTIONS 302/304/313/HAP:** NO

**INTERNATIONAL CHEMICAL INVENTORY STATUS:**

EUROPEAN UNION (EINECS)	YES
JAPAN (METI)	YES
AUSTRALIA (ACIS)	YES
KOREA (KECL)	YES
CANADA (DSL)	YES
CANADA (NDSL)	NO
PHILIPPINES	YES

**STATES RIGHT TO KNOW:** California, New Jersey, Pennsylvania, Minnesota, Massachusetts, and Wisconsin. Complies with listed States Right to Know Acts.

The following statement is made in order to comply with the California State Drinking Water Act. California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer and/or to cause birth defects and other reproductive harm.

---

### SECTION 16 – OTHER INFORMATION

---

**Precautions to be taken in Handling and Storing:** Avoid exposure to excess heat, and prevent from freezing.

**NFPA:** 1, 0, 0. None

**Total VOC (wt. %):** <0.25

**Other Precautions:** None required.

<b>SDS ABBREVIATIONS:</b>	N. A.:	Not Applicable
	N. D.:	Not Determined
	N.E.:	Not Established
	C:	Ceiling Limit
	HAP:	Hazardous Air Pollutant
	VOC:	Volatile Organic Compound

---

**R. A. Gaudreault**

Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, JELMAR offers no representations as to the completeness or accuracy thereof. Information is provided upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will JELMAR be responsible for damages of any nature whatsoever resulting from use of or reliance upon said information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION HEREIN REFERS.